Wellness PCH 201-02 Collaborative Human Planetary Public Health Leadership Presentation Final Assignment Spring 2026 – Due Thursday, May 7, 2026

This assignment is designed as a collaborative public health project on a contemporary, controversial public health issue. It will also be challenging and political, with no easy solutions or outcomes. The emphasis is on being able to concisely, accurately, and emphatically present a public health expert opinion supported by facts/stats/information in the literature (little complex research exists). Therefore, your decisions need to be carefully thought-out, in a collaborative matter. *Please Note:* This is **20%** of your grade for the semester. A team(s) of students will lead the class discussion on an assigned topic and conduct a PowerPoint presentation. Each class presentation/lecture will be 17 minutes in length, including time for questions and class discussion. Each group is required to turn in a typed two-page formal outline of their research presentation, including a bibliography on presentation day, listing a minimum of six sources used to research their topic.

The objectives are to:

1. Increase student participation in the learning process.
2. Integrate new information into the class material.
3. Encourage critical thinking on contemporary, controversial issues currently being debated in society.
4. Promote oral presentation skills and a better understanding of research methodology.
5. Refine one's ability to work in a team environment setting that fosters collaboration and flexibility towards a shared goal **(emphasized).**
6. Have fun, be creative, and think about health literacy.

Group Format:

Five to six students will make up each team~ and will provide a 15-minute presentation to the class with 2 minutes for questions (17 minutes total). Each presentation must include an introduction to the team, an outline of the topic, and the presentation of facts and supporting information. Visual aids, such as posters, pictures, charts, PowerPoint presentations, student-produced video clips, useful handouts, interactive higher-level questions, and/or Q&A - games, can be used to augment your position, and **everyone** must be active in the presentation. Be innovative and attention-grabbing and remember to practice and ensure that your technology works effectively. Please make it fun…

Note: Please provide the names of all group members on the title page of the PowerPoint presentation and the individual team members' names on the slides they present.

Presentation Day – Thursday, May 7, 2026 – Last Day of Class

Resources:

Again, each group is required to submit a typed, two-page formal outline of their research, including a bibliography, on presentation day. The outline must list a minimum of six sources used to research the topic. You may use Internet sources; however, ensure that the resources are **credible sources** of information about your topic, supported by facts and statistics, rather than just other people's opinions and statements. However, this assignment does need some level of group judgement, so please be able to support your decisions in a non-bias, fair and inclusive manner.

Please note: Team members who do not actively participate in the collaborative research assignment may be asked to leave their group by the team leader; thus, the individual(s) will not receive credit for this assignment. Additionally, failure to attend and present on the assigned day will result in a loss of credit. A student's overall grade ***will*** be reduced by 20%.

Time limit: Seventeen (17) minutes per group. This also includes time for questions; therefore, please structure your presentation accordingly. Group presentations that exceed or fall short of the 17-minute limit will incur a deduction from their grade assignment.

Evaluation Guidelines:

DELIVERY 20 Points	CONTENT 30 Points
• Addressed audience (5 Points)	• Participant introductions (5 Points)
• Audible (5 Points)	• Topic introduced and position stated (5 Points)
• Made points clearly (5 Points)	• Content Organized (10 Points)
• Used visual aids appropriately (5 Points)	• Thesis and position clearly stated (create interest)
• Proper attire….	• Position supported with facts (compelling argument)
	• Counter-point stated (strengthens position)
	• Conclusion reinforces position
	• Evidence of teamwork (5 Points)
	• Time-limit respected (5)

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Objective: To explore and critically analyze the best selection process in a fair, non-bias and inclusive manner to support the best possible outcome for the new world. This is a fresh start for humankind, with an opportunity to be in balance with all the moon's ecosystems and its species, with an end goal of a healthy human population that is both peaceful, sustainable and in harmony.

Background:

ASA's Europa Clipper is a mission to explore Jupiter's moon Europa and determine if it could support life:

- **Mission**

Launched on October 14, 2024, Europa Clipper will travel 1.8 billion miles to reach Jupiter in April 2030. It will orbit Jupiter and make 49 close flybys of Europa.

- **Objectives**

Europa Clipper's main objectives are to:

  - Determine the thickness of Europa's icy shell
  - Investigate the moon's composition
  - Characterize its geology
  - Assess whether Europa's environment could support life

- **Approach**

Europa Clipper will orbit Jupiter and fly by Europa to minimize time spent in the radiation environment. It will also have an electronics vault made of about a third of an inch of aluminum to protect sensitive electronics.

- **Significance**

Europa is one of the prime locations in the search for life beyond Earth. Its findings may pave the way for future missions aimed at detecting life and supporting life beyond the borders of Earth.

Assignment Description: It is the year 2032, and climate change impacts have exceeded all computer model predictions. Biodiversity has collapsed, and all ecosystems are failing. The atmosphere, oceans, and freshwater bodies are no longer able to perform their functions as a carbon sink. The planet's temperature has risen by 6.0 degrees, and human life in many areas of the earth has crossed the tipping point of human survival. Food and water supplies are in short supply, contaminated, and unsafe for human consumption. While every effort is being made to repair and save our planet, it is clear humankind needs to colonize Europa. The World Interplanetary Agency has teamed up with SpaceX to select 1,000 human beings to safely populate this planet. For humanity, this is a fresh start toward a new, healthy, and sustainable beginning.

As Public Health Leaders, you have been selected to develop the criteria for selecting 1,000 homoserines. Prepare a PowerPoint Presentation on how to select 1,000 humans in the new world, Europa, that will be a healthy, sustainable, and balanced ecosystem for all species. Each group must also submit a 2-page outline/summary with citations. Note – this is a thought provoking and controversial assignment and not everyone will

agree (it’s ok to agree to disagree). More importantly, how would you and your team determine who would qualify to be selected to populate this new world, working together with respect for everyone’s position/point of view – negotiation and compromise will be essential to come to a sweet spot/resolution?

Assessment Criteria:

- Depth of analysis and critical thinking (30%)
- Clarity and organization of writing (25%)
- Use of credible sources and proper citations (25%)
- Originality and engagement with the topic (20%)

One of the primary objectives of this assignment is to collaborate as a team with a shared goal. Best of Luck!